



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

27365

7590

07/18/2005

SEAGATE TECHNOLOGY LLC C/O WESTMAN CHAMPLIN & KELLY, P.A. SUITE 1400 - INTERNATIONAL CENTRE 900 SECOND AVENUE SOUTH MINNEAPOLIS, MN 55402-3319

EXAMINER

EVANS, JEFFERSON A

ART UNIT

PAPER NUMBER

2652

DATE MAILED: 07/18/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,190	08/21/2003	Gary Edwin Bement	S01.12-0991/STL	1534
			11378.00	

TITLE OF INVENTION: DISC STABILIZATION SYSTEM

. APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE ·	DATE DUE
nonprovisional	NO	\$1400	\$300 \$1700		10/18/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(571) 273-2885 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PU	BLICATION FEE (if required). Blocks 1 through 5 should be completed where
appropriate. All further correspondence including the Patent, advance orders and notifica	
indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a n	ew correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for
maintenance fee notifications.	<u> </u>
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)	Note: A certificate of mailing can only be used for domestic mailings of the

SEAGATE TECHNOLOGY LLC C/O WESTMAN CHAMPLIN & KELLY, P.A. SUITE 1400 - INTERNATIONAL CENTRE 900 SECOND AVENUE SOUTH MINNEAPOLIS, MN 55402-3319 Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the Unstates Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsing transmitted to the USPTO (571) 273-2885, on the date indicated below. (Depositor's na (Signat	CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 27365 7590 07/18/2005				Note: A certificate of Fee(s) Transmittal. Teapers. Each addition have its own certifications.	of mailing can only be used for his certificate cannot be used and paper, such as an assignment ate of mailing or transmission.	or domestic mailings of the for any other accompanying ent or formal drawing, must
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/647,190 08721/2003	CHAMPLIN & KE SUITE 1400 - INT	ELLY, P.A. ERNATIONAL CEN		N	C	ertificate of Mailing or Trans	mission
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/647,190 08/21/2003 Gary Edwin Bement S01.12-0991/STL 1534 TITLE OF INVENTION: DISC STABILIZATION SYSTEM APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1400 \$300 \$1700 10/18/2005 EXAMINER ART UNIT CLASS-SUBCLASS EVANS, JEFFERSON A 2652 360-097020 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. PTO/SB/17, Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government of Fee(s): Subsection of the patent of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached.	MINNEAPOLIS, N	MN 55402-3319					. (Depositor's name)
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.							(Signature)
10/647,190		•					(Date)
APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1400 \$300 \$1700 10/18/2005 EXAMINER ART UNIT CLASS-SUBCLASS EVANS, JEFFERSON A 2652 360-097020 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. The Fee Address indication (or "Fee Address" Indication form PTO/SB/122) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) 4a. The following fee(s) are enclosed: State of the properties of the private group entity Government of the process of the patent of the pate	APPLICATION NO.	FILING DATE		FIRST NAME	D INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1400 \$300 \$1700 10/18/2005 EXAMINER ART UNIT CLASS-SUBCLASS EVANS, JEFFERSON A 2652 360-097020 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563). CFR 1.563. CFR 1.563. CFR 2.563. CFR 3.563. CFR 3.560. CFR 3.563. CFR 3.560. CFR	10/647,190	08/21/2003	· · · · · · · · · · · · · · · · · · ·	Gary Edw	in Bement	S01.12-0991/STL	1534
nonprovisional NO \$1400 \$300 \$1700 10/18/2005 EXAMINER ART UNIT CLASS-SUBCLASS EVANS, JEFFERSON A 2652 360-097020 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Tee Address indication for "Fee Address" Indication form PTO/SB/122) attached. (2) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of agents OR, alternatively, (2) the names of up to 3 registered patent attorneys or agents of agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Governments. 4a. The following fee(s) are enclosed: Sayment of Fee(s): A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted)	·					-	
EVANS, JEFFERSON A 2652 360-097020 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Governmental assignment. 4a. The following fee(s) are enclosed: State Fee	APPLN, TYPE	SMALL ENTITY	ISSUE F	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
EVANS, JEFFERSON A 2652 360-097020 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): "Individual Corporation or other private group entity Government of the fee(s) are enclosed: "Ab. Payment of Fee(s): "Issue Fee" "A check in the amount of the fee(s) is enclosed. "Payment by credit card. Form PTO-2038 is attached.	nonprovisional	МО	\$1400	0	\$300	\$1700	10/18/2005
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address "Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): Ab. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached.	EXAM	IINER .	ART UN	ART UNIT CLASS-SUBCLASS			
CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. The Address form PTO/SB/122) attached. The Address form PTO/SB/122) attached. The Address form PTO/SB/122 attached. The Address form PTO/S	EVANS, JEF	FERSON A	. 2652	2	360-097020	_	
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government of Fee(s): A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached.	CFR 1.363). Change of correspond Address form PTO/SB/12 "Fee Address" indicat PTO/SB/47; Rev 03-02 c	lence address (or Change of 22) attached.	Correspondence	(1) the na or agents (2) the na registered 2 registered	mes of up to 3 registered pat OR, alternatively, me of a single firm (having as attorney or agent) and the na d patent attorneys or agents.	ent attorneys 1 s a member a 2 mes of up to	
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government of Fee(s): Ab. Payment of Fee(s): Issue Fee Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached.	3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON	THE PATENT	Γ (print or type)		
Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity 4a. The following fee(s) are enclosed: Issue Fee Publication Fee (No small entity discount permitted) A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached.	PLEASE NOTE: Unless recordation as set forth in	an assignee is identified be 37 CFR 3.11. Completion	elow, no assignee of this form is NO	data will app T a substitute	ear on the patent. If an assignment.	gnee is identified below, the d	locument has been filed for
4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted) 4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached.	(A) NAME OF ASSIGNI	EE	(E	B) RESIDENC	CE: (CITY and STATE OR CO	OUNTRY)	
☐ Issue Fee ☐ A check in the amount of the fee(s) is enclosed. ☐ Publication Fee (No small entity discount permitted) ☐ Payment by credit card. Form PTO-2038 is attached.	Please check the appropriate	assignee category or catego	ries (will not be pr	rinted on the p	patent): 🗖 Individual 🗖	Corporation or other private gr	oup entity 🚨 Government
Publication Fee (No small entity discount permitted)	4a. The following fee(s) are	enclosed:	41	b. Payment of	Fee(s):		
				_			
Advance Order - # of Copies							
	☐ Advance Order - # of	Copies		The Direction Deposit Acc	ector is hereby authorized by ount Number	charge the required fee(s), or (enclose an extra c	credit any overpayment, to copy of this form).
5. Change in Entity Status (from status indicated above)	5. Change in Entity Status	(from status indicated above	:)				·
a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other part						_	

TIN interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature Date_

Typed or printed name Registration No. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,190	08/21/2003	Gary Edwin Bement	S01.12-0991/STL 11378.00	1534
27365	7590 07/18/2005		EXAM	INER
SEAGATE TECHNOLOGY LLC C/O WESTMAN			EVANS, JEFFERSON A	
CHAMPLIN & KELLY, P.A. SUITE 1400 - INTERNATIONAL CENTRE			ART UNIT	PAPER NUMBER
	VENUE SOUTH		2652	
MINNEAPOLIS	, MN 55402-3319		DATE MAILED: 07/18/200	5

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 151 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 151 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.